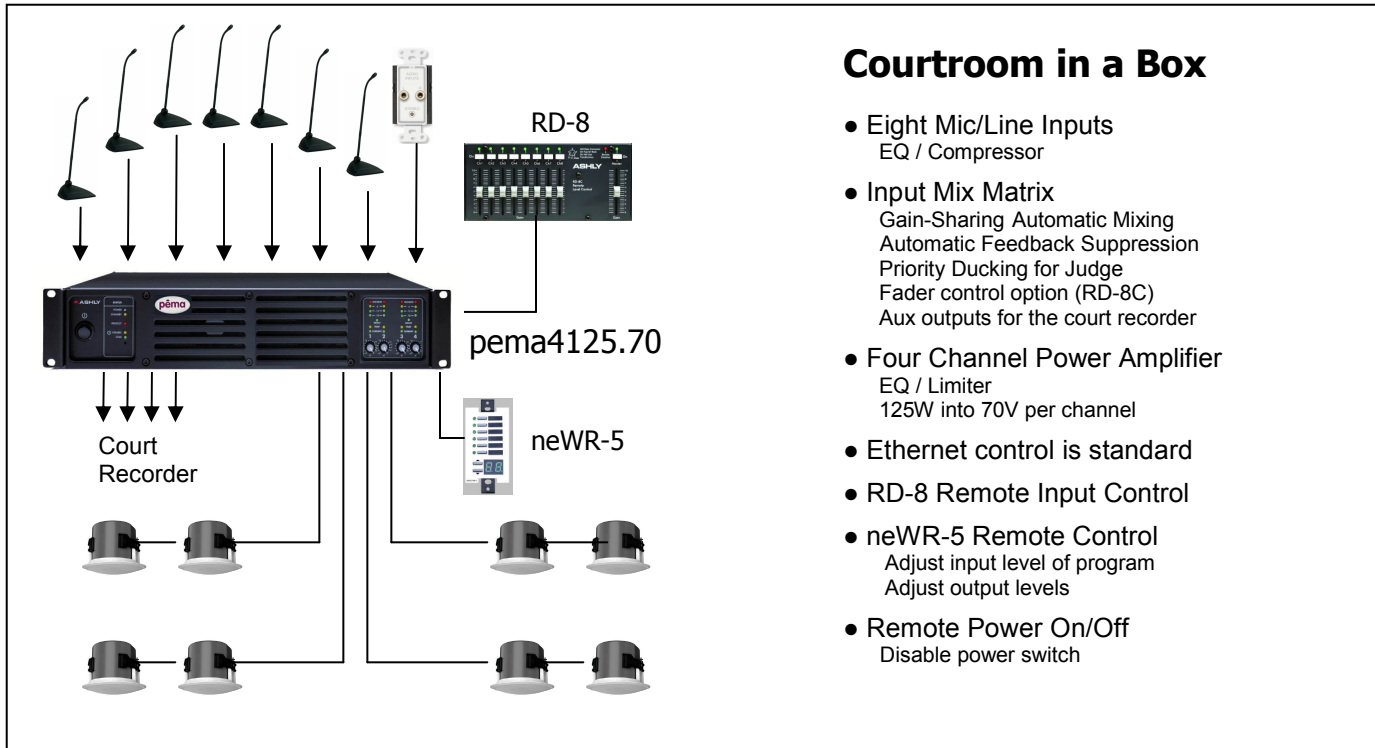


Ashly's PEMA™ has the features that let Systems Integrators replace a rack of amplifiers and signal processing equipment with a single two-rack unit. The combination of a 4 or 8-channel amplifier, 8-in x 8-out sophisticated matrix mixing, and DSP signal processing brings a new level of technology and innovation to Restaurants, Retail Stores, liturgical Churches, School Gymnasiums/Cafeteriums and Courtrooms. Systems designers can select either 125W or 250W output units that are a perfect fit for your project based on ceiling height, loudspeaker sensitivity and ceiling speaker density.



Courtroom in a Box

- Eight Mic/Line Inputs
EQ / Compressor
- Input Mix Matrix
Gain-Sharing Automatic Mixing
Automatic Feedback Suppression
Priority Ducking for Judge
Fader control option (RD-8C)
Aux outputs for the court recorder
- Four Channel Power Amplifier
EQ / Limiter
125W into 70V per channel
- Ethernet control is standard
- RD-8 Remote Input Control
- neWR-5 Remote Control
Adjust input level of program
Adjust output levels
- Remote Power On/Off
Disable power switch

Creating and controlling a courtroom sound system has now been simplified with Ashly's PEMA™ Series multi-channel power amplifier. This application uses the **pema4125.70**, a 4 x 70V power amplifier with an 8 x 8 mic/line matrix mixer and DSP on all inputs and outputs. Processing blocks include Gain-Sharing Automatic Mixing, Automatic Feedback Suppression, Stereo-Summed-to-Mono, Ambient Noise Control, Equalization, High-, Low- and All-Pass Filters (HPF/LPF/APF), Delay, Compressor/Limiter, Gate, Ducking, Gain and Signal Generators (sinewave, white and pink noise). The full Matrix Mixer with assignable routing allows any input to drive any or all amplifier outputs. Presets can be used to store and retrieve system configurations.

Connected directly to the **pema4125.70** inputs are seven (7) wired podium microphones and a stereo wall input for aux sound sources (laptop computer, etc). Input eq and compressors are set specifically for the individual inputs. The internal matrix sums all inputs and routes them to the correct outputs and power amplifier channels. Each output has dedicated eq and limiter protection applied (copy & paste!). 125W-70V is available on each powered output.

The judge has level control of all inputs (RD-8). He can have the loudest and most intimidating microphone and his microphone ducks all other microphones. AV playback can have boom/sizzle. Unattended microphone inputs are seamlessly mixed using gain-sharing automatic mixing. This design uses microphones with a push-to-mute button (for private discussion). Direct outputs are routed to the court recorder from specific inputs. The court officer has an reWR-5 for preset recall and speaker volume control of the courtroom area and the visitor's gallery. Four (4) combined outputs with dedicated eq and limiter protection are routed to premium 6 inch ceiling speakers.

Visit www.ashly.com to download Protea software and data sheets